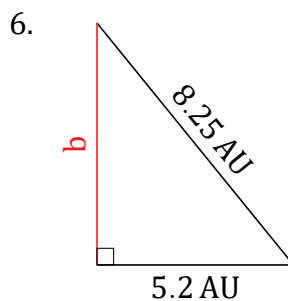
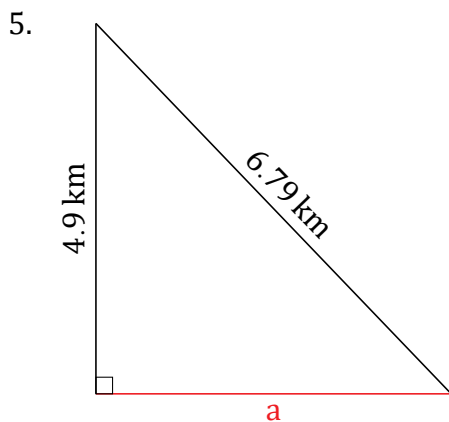
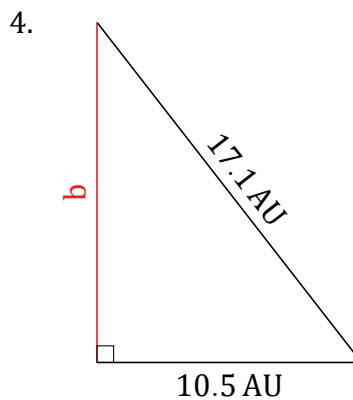
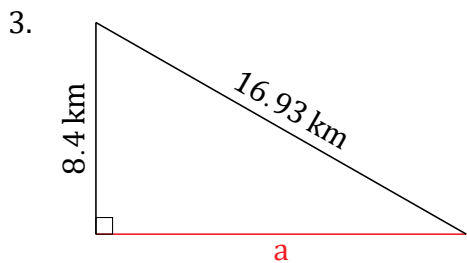
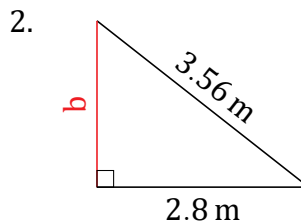
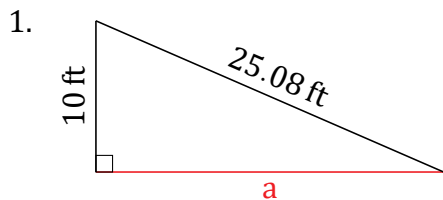


Pythagorean Theorem (I)

Name: _____

Date: _____

Calculate the missing side measurement using $a^2 + b^2 = c^2$.

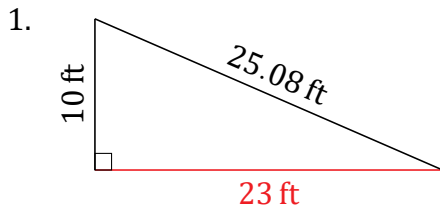


Pythagorean Theorem (I) Answers

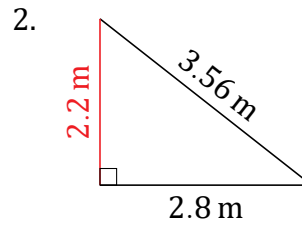
Name: _____

Date: _____

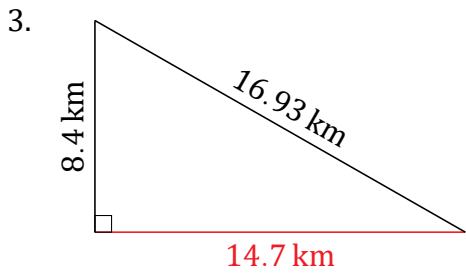
Calculate the missing side measurement using $a^2 + b^2 = c^2$.



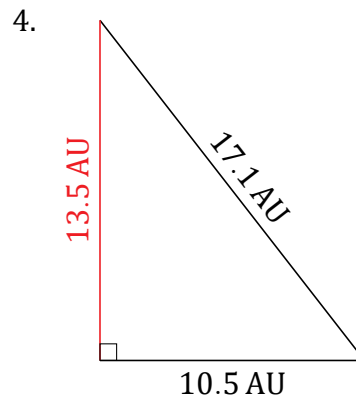
$$a^2 + 10^2 = 25.08^2$$
$$a = \sqrt{629.0064 - 100}$$
$$a = 23 \text{ ft}$$



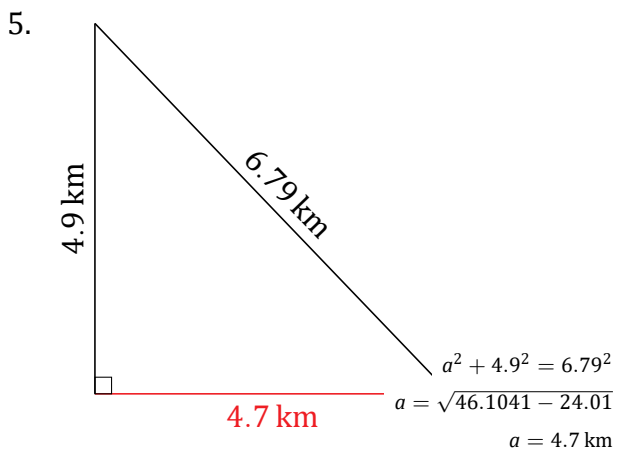
$$2.8^2 + b^2 = 3.56^2$$
$$b = \sqrt{12.6736 - 7.84}$$
$$b = 2.2 \text{ m}$$



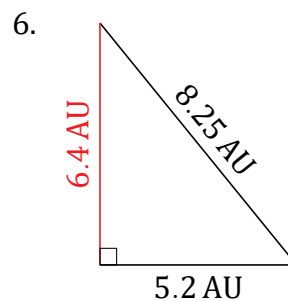
$$a^2 + 8.4^2 = 16.93^2$$
$$a = \sqrt{286.6249 - 70.56}$$
$$a = 14.7 \text{ km}$$



$$10.5^2 + b^2 = 17.1^2$$
$$b = \sqrt{292.41 - 110.25}$$
$$b = 13.5 \text{ AU}$$



$$a^2 + 4.9^2 = 6.79^2$$
$$a = \sqrt{46.1041 - 24.01}$$
$$a = 4.7 \text{ km}$$



$$5.2^2 + b^2 = 8.25^2$$
$$b = \sqrt{68.0625 - 27.04}$$
$$b = 6.4 \text{ AU}$$